No. 9500095

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Western Plant Breeders, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'WestBred 936'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of August in the year of our Lord one thousand nine hundred and ninety-five.

Attest:

Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and edition date on all reproductions.* OMB APPROVED NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(INSTRUCTIONS ON REVERSE)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)
Western Plant Breeders, Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO.
PH 986-61

3. VARIETY NAME
WestBred 936

4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP)
8111 Timberline Drive
Bozeman, Montana 59715

5. PHONE (include area code)
(406) 587-1218

FOR OFFICIAL USE ONLY

PVPO NUMBER
9500095

FILING
Date: FEBRUARY 28, 1995
Time: ☐ A.M. ☐ P.M.

6. GENUS AND SPECIES NAME
Triticum asetivum

7. FAMILY NAME *(Botanical)*
Gramineae

8. CROP KIND NAME *(Common Name)*
Common Wheat (hard red spring wheat)

9. DATE OF DETERMINATION
May 1, 1989

FEES RECEIVED
Filing and Examination Fee: $ 2,325.00
Date: Feb. 28, 1995
Certificate Fee: $ 300.00
Date: July 19, 1995

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.)
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Arizona

12. DATE OF INCORPORATION
August 24, 1990

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
Dr. Dale R. Clark
Western Plant Breeders, Inc
8111 Timberline Drive
Bozeman, MT 59715
PHONE (Include area code): (406) 587-1218

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow INSTRUCTIONS on reverse)*
- a. ☒ Exhibit A, Origin and Breeding History of the Variety
- b. ☒ Exhibit B, Novelty Statement
- c. ☒ Exhibit C, Objective Description of Variety
- d. ☒ Exhibit D, Additional Description of Variety
- e. ☒ Exhibit E, Statement of the Basis of Applicant's Ownership
- f. ☒ Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office: Feb. 27, 1995
- g. ☒ Filing and Examination Fee ($2,325) made payable to "Treasurer of the United States"

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See section 83(a) of the Plant Variety Protection Act)* ☐ YES *(If "YES," answer items 16 and 17 below)* ☒ NO *(If "NO," skip to item 18 below)*

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☐ NO

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?
☐ YES (If "YES," through ☐ Plant Variety Protection Act ☐ Patent Act. Give date: _____).
☒ NO

19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☒ YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) USA March 15, 1994
☐ NO

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))	CAPACITY OR TITLE	DATE
Dale R. Clark for Western Plant Breeders, Inc.	Barley and Wheat Breeder	Feb. 24, 1995
SIGNATURE OF APPLICANT (Owner(s))	CAPACITY OR TITLE	DATE

D-470 (06-93) *Editions of Forms LS-470 (3/86) and CSSD-470 (5/89) are to be destroyed.*

CONTINUED ON REVERSE

WestBred 936

14a. Origin and Breeding History

WestBred 936 is a hard red spring wheat selected by Western Plant Breeders from a male-sterile facilitated, recurrent selection population (MSFRSP) designated "906 alpha-84". This population was developed by top crossing WestBred 906-R onto male-sterile F2 plants in the two MSFRS populations designated SHRSPY-83 and EHRSP-83. These two populations were adapted primarily for the irrigated deserts of California and Arizona. Fifty such crosses were made near Phoenix, Arizona in March, 1984. The resultant F1 seed were bulked at harvest and planted at Bozeman, Montana in May, 1984. The F2 of this population was grown near Phoenix in the fall of 1984 and the spring of 1985. Selected spikes from this population were harvested, bulked, and planted as a bulk F3 near Bozeman in May, 1985. Individual spikes were harvested from this population in the fall of 1985 and planted as F4 rows near Phoenix in November, 1985. Agronomically acceptable rows were selected in May, 1986. One such row was given the experimental number PH 986-61. Seed from this row were planted near Bozeman in May, 1986 for further purification and increase. The resultant F5 plot (F6 seed) was harvested and used for yield testing in Arizona and California in 1987. Successive generations were tested in 1988, 1989, and 1990. PH 986-61 was too tall for these conditions and was dropped from further development for this area. PH 986-61 was yield tested in Idaho, Washington, and Montana in 1990, 1991, and 1992 and was found to be well adapted to these areas.

Spikes were selected near Phoenix in May, 1989 and were grown as head rows near Bozeman in the summer of 1989. Uniform rows were individually harvested and planted as large plots near Phoenix in the fall of 1989. Uniform plots were individually harvested in May, 1990. Seed from these plots was planted in individual strips near Bozeman in May, 1991. Uniform strips were harvested and the resultant seed was bulked to form Breeders seed. This Breeders seed was used to plant

approximately 60 acres near Bozeman in the spring of 1992 for the purpose of producing Foundation seed. The production from this field was harvested in August, 1992 and designated "WestBred 936". Registered seed was planted in the spring of 1993 and certified seed was first sold to the general public March 15, 1994.

WestBred 936 is a stable and uniform variety in agronomic appearance and performance across several generations and growing conditions. Agronomic data to support this stability are presented in Tables 1 through 4.

VARIANTS:
A TALL VARIANT (one to two head length taller than the norm) occurs in 'WestBred 936' at a frequency of 3 per 10,000 plants. Also a white seed VARIANT occurs at a frequency of up to 18 per 10,000 seeds.

14b. Novelty Statement

MAH 20 JUNE 1995 per letter

WestBred 936 is most similar to the variety WestBred 906-R. However, glume beak awn of WestBred 936 is twice the length of that of WestBred 906-R. Also, the kernels of WestBred 936 have a long brush where WestBred 906-R have a short brush, and WestBred 936 has a lax head where WestBred 906-R has a dense head. WestBred 936 is susceptible to the prevalent races of Hessian fly in the Pacific Northwest states of Washington and Idaho where WestBred 906-R is resistant. Another distinguishing character is that WestBred 936 is tolerant to the wild oat herbicide, difenzoquat ("Avenge") where WestBred 906-R is susceptible to damage. WestBred 936 is also approximately 4 cm. shorter than WestBred 906-R ($t = 3.13$ w21 df, $p < .01$).

The above comparisons, along with the complete objective description (14 c.), show WestBred 936 to be a novel variety of hard red spring wheat.

14c. Objective Description (see pages 4 and 5)

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK AND SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
Western Plant Breeders, Inc.

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
8111 Timberline Drive
Bozeman, MT 59715
(406) 587-1218

FOR OFFICIAL USE ONLY
PVPO NUMBER 9500095
VARIETY NAME OR TEMPORARY DESIGNATION
WestBred 936

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:
[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:
[1] 1 = SPRING 2 = WINTER 3 = OTHER (*Specify*) _____ [2] 1 = SOFT 2 = HARD 3 = OTHER (*Specify*) _____
[2] 1 = WHITE 2 = RED 3 = OTHER (*Specify*) _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:
[0][5][2] FIRST FLOWERING [0][5][8] LAST FLOWERING

4. MATURITY (*50% Flowering*):
[0][6] NO. OF DAYS *EARLIER* THAN ..... [7] 1 = ARTHUR 2 = SCOUT 3 = CHRIS
[0][2] NO. OF DAYS *LATER* THAN ..... [8] 4 = LEMHI 5 = NUGAINES 6 = LEEDS
7 = Vandel 8= WestBred 906-R

5. PLANT HEIGHT (*From soil level to top of head*):
[0][8][3] CM. HIGH
[1][5] CM. TALLER THAN ..... [7]
[0][5] CM. SHORTER THAN ..... [8] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 7=YecoraRojo
4 = LEMHI 5 = NUGAINES 6 = LEEDS 8=WestBred906

6. PLANT COLOR AT BOOTING (*See reverse*):
[3] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:
[1] 1 = YELLOW 2 = PURPLE

8. STEM:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom: 1 = ABSENT 2 = PRESENT
[2] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT
[1] Internodes: 1 = HOLLOW 2 = SOLID
[0][4] NO. OF NODES (*Originating from node above ground*)
[2][7] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:
[2] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:
[2] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER (*Specify*): _____
[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED
[1] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
[1][9] MM. LEAF WIDTH (*First leaf below flag leaf*)
[2][5] CM. LEAF LENGTH (*First leaf below flag leaf*):

FORM LMGS 470-6 (6-82) (Formerly Form LPGS 470-6 (3-79), which may be used)

WestBred 936 9500095

11. HEAD:

[1] Density: 1 = LAX 2 = DENSE

[2] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify) _____

[4] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____

[1][1] CM. LENGTH [1][2] MM. WIDTH

12. GLUMES AT MATURITY:

[3] Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.)

[1] Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) 3 = WIDE (CA. 4 mm.)

[5] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[3] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[1] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[3] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[1] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[3] Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

[1] Brush: 1 = NOT COLLARED 2 = COLLARED

[0] Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK 0= Not Tested

[3] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

[0][7] MM. LENGTH [0][3] MM. WIDTH [4][7] GM. PER 1000 SEEDS

17. SEED CREASE:

[2] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[1] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[2] STEM RUST (Races) Prevalent [2] LEAF RUST (Races) Prevalent [2] STRIPE RUST (Races) Prevalent [0] LOOSE SMUT

[1] POWDERY MILDEW [0] BUNT [0] OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[1] SAWFLY [0] APHID (Bydv.) [0] GREEN BUG [0] CEREAL LEAF BEETLE

[1] OTHER (Specify) Hessian fly HESSIAN FLY RACES: [0] GP [0] A [0] B [0] C [0] D [0] E [0] F [0] G

Prevalent in the Pacific Northwest

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	WestBred 906-R	Seed size	WestBred 906-R
Leaf size	"	Seed shape	"
Leaf color	"	Coleoptile elongation	"
Leaf carriage	"	Seedling pigmentation	"

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

14d. Additional Description

WestBred 936 is a semi-dwarf, white chaffed, hard red spring wheat. The leaves and stems of WestBred 936 have a waxy bloom and the leaf auricles are purple with very few pubescent hairs. The spikes are lax, oblong and awned, and the awns are white at maturity. The glumes are white, long and wide, with narrow elevated shoulders. The beak is narrow, very long, and the apex is acuminate. Seed of WestBred 936 is mid-long, mid-wide, and ovate with rounded cheeks. The crease is mid-wide and shallow and the germ is medium in size. The brush is long and not collared. WestBred 936 is 1 to 2 inches shorter than WestBred 906-R and is less susceptible to lodging.. WestBred 936 is more susceptible to powdery mildew (*Erysiphe graminis* f. sp. *tritici*) and head scab (*Fusarium* spp.) than WestBred 906-R. In contrast to W.B. 906-R, WestBred 936 appears to be tolerant to the wild oat herbicide "Avenge" (difenzoquat) in field tests.

Variants:

A tall variant (one to two head lengths taller than the norm) occurs in WestBred 936 at the frequency of 3 per 10,000 plants.

Also, a white seed variant occurs at a frequency of up to 18 per 10,000 seeds.

Western Plant Breeders is attempting to remove these variants through further head-rowing and purification. However, this may not be possible due to inherent genetic imbalances.

14e. Statement of ownership Replaced per letter MAH 20 June, 1995

Western Plant Breeders, Inc. is the employer of the breeder and is rightfully entitled to ownership and all rights of the variety "WestBred 936".

9500095

14e. Statement of ownership

'WestBred 936', the variety for which Plant Variety Protection is hereby sought, was developed by Dr. Dale R. Clark, an employee of Western Plant Breeders, Inc.. All rights to any invention, discovery, or development made by the employee while employed by Western Plant Breeders, Inc. were assigned by Western Plant Breeders, Inc. with no rights of any kind pertaining to 'WestBred 936' are retained by the employees

WESTBRED 936

Table 1. Agronomic comparisons of WestBred 936 and check varieties in Western Plant Breeders trials.

Five Year Comparison

		Plt.Ht. inches	T.W. lbs/bu	Protein %	BZ	BL	BU	ML	4 Location AVG
W.B. 936	'91	34	60	14.2	8211	7509	6922	7093	7434
	'92	30	57	14.6	5554	6950	6867	6049	6355
	'93	33	61	12.7	6526	8078	6070	7014	6922
	'94	29	62	14.2	6994	7985	6605	6383	7121
	mean	32	60	13.9	6821	7631	6616	6635	6958
W.B. 906-R	'91	37	59	15.1	7795	6093	6486	6248	6655
	'92	30	57	14.4	5496	5943	5750	5631	5705
	'93	37	60	12.8	6867	6178	5804	7362	6553
	'94	31	62	14.4	6704	6693	5973	5495	6297
	mean	34	60	14.2	6716	6227	6003	6184	6302
W.B. Express	'91	33	60	14.7	7338	6502	6613	6864	6592
	'92	29	58	14.5	5902	6814	6104	6137	6239
	'93	33	60	12.8	6445	7550	5398	7354	6687
	'94	31	62	13.9	7158	7654	6025	6724	7179
	mean	32	60	14.0	6711	7130	6035	6770	6674
Fergus	'91	37	60	14.1	8160	7200	6120	6780	6540
	'92	32	59	14.1	5844	6814	6363	6382	6351
	'93	38	60	12.5	6990	8078	5085	7230	6846
	'94	34	62	14.2	6720	7800	6104	6250	6711
	mean	35	60	13.7	6929	7473	5918	6661	6612

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WESTBRED 936

Table 2. Plant height in inches of WestBred 936 compared to WestBred 906-R in Western Plant Breeders' and public trials from 1990 - 1994.

		WestBred 936	WestBred 906-R
WPB			
1990	Bozeman,MT	29	32
	Blackfoot,ID	29	30
	Burley,ID	32	33
	Moses Lake,WA	38	39
1991	Bozeman,MT	36	39
	Blackfoot,ID	31	32
	Burley,ID	34	33
	Moses Lake,WA	36	40
	Walla Walla,WA	35	36
1992	Bozeman,MT	30	31
	Burley,ID	29	28
	Moses Lake,WA	31	32
1993	Bozeman,MT	35	40
	Burley,ID	31	34
	Moses Lake,WA	34	37
1994	Bozeman,MT	29	31
	Blackfoot,ID	34	34
	Burley,ID	32	35
	Moses Lake,WA	29	33
Univ. ID			
1991	Aberdeen,ID	30	34
	Tetonia,ID	28	28
CO St. Univ			
1991	Center,CO	37	38
	mean	32.68	34.05

t = 3.13 w/21 df, p < .01

WESTBRED 936

Table 3. Agronomic comparisons of WestBred 936 and check varieties in Montana State Univ. trials from 1992 - 1994.

(25 location summary)

Variety	Heading Date from 1/1				Plt. Ht. (inches)				T.W. (lbs/bu)				Protein %				Yield (bu/ac)			
	92	93	94	avg	92	93	94	avg	92	93	94	avg	92	93	94	avg	92	93	94	avg
WB 936	**166**	**172**	**166**	**168**	**29**	**30**	**28**	**29**	**60**	**56**	**58**	**58**	**14.0**	**13.8**	**15.3**	**14.4**	**84**	**64**	**59**	**68**
Fergus	165	175	167	169	32	32	30	31	61	58	59	59	13.1	13.8	14.9	13.9	78	65	56	65
WB 926	165	172	166	168	30	30	30	30	60	57	58	58	13.6	14.4	15.1	14.4	76	67	58	66
WB Express		178	168	173		29	27	28		57	59	58		13.9	14.6	14.3		70	60	65
Newana	171	180	173	174	32	33	30	32	60	57	59	59	12.6	12.5	13.6	12.9	85	64	59	68
Lew	171	180	173	175	39	39	37	38	61	60	60	60	13.7	14.4	15.0	14.3	73	61	53	61
Fortuna	169	177	169	172	38	38	37	38	61	58	60	60	13.9	14.0	14.8	14.3	70	54	55	59
Pondera	168	176	168	171	33	33	31	33	61	59	59	60	13.3	13.7	14.9	14.0	82	67	56	67
Len	169	178	170	173	33	34	31	33	60	57	59	58	14.0	14.7	15.0	14.6	73	59	57	62
Glenman	170	178	171	173	33	34	31	33	59	57	58	58	12.8	13.1	14.0	13.3	83	62	59	67
Hi-Line	166	175	167	170	30	31	29	30	61	58	59	59	13.3	13.7	15.0	14.0	82	61	57	65
McNeal	170	177	171	173	34	35	32	34	60	57	58	58	13.6	13.4	15.0	14.0	85	68	59	69
Stoa	169	177	169	172	38	38	37	38	60	58	59	59	13.5	14.8	14.9	14.4	86	67	56	68
Amidon	169	177	170	172	38	38	36	37	60	58	59	59	13.2	14.2	14.6	14.0	83	71	57	70
Rambo	169	179	171	173	32	33	29	32	60	58	59	59	12.4	13.1	14.2	13.3	79	66	59	67
Border	164	174	166	168	32	33	31	32	61	58	59	59	13.8	13.9	15.0	14.2	73	60	52	61

WESTBRED 936

Table 4. Milling and baking quality data summary of WestBred 936 compared to check varieties in Montana State University's Intrastate Wheat Yield Trials in 1992 and 1993.

	Flour		Farinograph				Baking Data			
	YLD %	ASH %	ABS %	PEAK	STAB	MTI	ABS%	MIX	LF VL	G & T
1992 (7 location avg)										
WestBred 936	**71.6**	**0.460**	**66.3**	**9.1**	**10.0**	**14**	**66.7**	**2.8**	**1004**	**6.2**
WestBred 926	70.3	0.453	65.6	9.7	12.5	11	66.4	2.9	1019	6.1
Fergus	70.6	0.475	67.1	5.6	6.3	22	67.1	2.3	949	5.4
Newana	68.3	0.424	64.7	5.6	6.3	26	66.6	2.3	955	5.3
Hi-Line	69.1	0.446	67.8	7.3	9.3	165	68.4	3.5	1003	5.9
McNeal	69.5	0.461	69.3	10.9	11.4	99	69.7	3.4	1008	5.7
1993 (7 location avg)										
WestBred 936	**68.3**	**0.429**	**63.2**	**10.9**	**11.9**	**20**	**65.2**	**4.0**	**935**	**6.1**
WestBred 926	69.9	0.476	63.9	10.9	11.1	20	65.4	3.3	931	5.9
Fergus	69.8	0.473	65.3	6.4	8.8	19	66.7	3.4	937	5.8
Newana	67.6	0.445	63.4	5.8	7.4	25	65.6	3.0	891	5.9
Hi-Line	66.7	0.438	65.3	5.9	10.7	15	67.5	4.9	941	6.1
McNeal	68.6	0.458	66.3	7.2	12.0	8	67.8	4.6	872	5.6